22. The non-human mammal of claim 3, wherein the autoimmune disease is pemphigus vulgaris.

23. The non-human mammal of claim 22, wherein the antigen protein is desmoglein 3 protein.

24. The non-human mammal of claim 3, wherein the non-human mammal is a rodent.

25. The non-human mammal of claim 24, wherein the rodent is a mouse.

Please amend claims 2, 3, 4, 6, 7, 9, 14, 15, and 17 as follows:

2. (Amended) A non-human mammal showing a phenotype of autoimmune disease through production of an antibody reacting to an antigen protein for an autoimmune disease or T cell activation, wherein immune cells from a non-human mammal lacking an antigen gene for the autoimmune disease have been transplanted to the non-human mammal.

3. (Amended) A non-human mammal showing a phenotype of autoimmune disease through production of an antibody reacting to an antigen protein for an autoimmune disease or T cell activation, wherein immune cells from a non-human mammal that lacks the antigen gene for the autoimmune disease and that has been immunized with the antigen protein have been transplanted to the non-human mammal.

4. (Amended) The non-human mammal of claim 2, wherein the immune cells are transplanted to an immunodeficient non-human mammal.

6. (Amended) The non-human mammal of claim 2, wherein the immune cells are splenocytes.

7. (Amended) The non-human mammal of claim 2, wherein the autoimmune disease is pemphigus vulgaris.

A4 Sub B1

9. (Amended) The non-human mammal of claim 2, wherein the non-human mammal is a rodent.

Sub B1

14. (Amended) The method of claim 11, wherein the immune cells are splenocytes.

A5

15. (Amended) The method of claim 11, wherein the autoimmune disease is pemphigus vulgaris.

Sub B1 A16

17. (Amended) The method of claim 11, wherein the non-human mammal is a rodent.